

Converting Colors

`RYB(198, 84, 233)`

Have a look what the booklet for RYB(198, 84, 233) contains.

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Color

`RYB(198, 84, 233)`

Conversions

Conversions Part 1

Format	Color
Hex	C654E9
RGB	198, 84, 233
RGB Percent	78%, 33%, 91%
CMY	0.2235, 0.6706, 0.0863
CMYK	0.15, 0.64, 0.00, 0.09
HSL	286°, 77%, 62%
HSV	286°, 64%, 91%
XYZ	41.1670, 24.2296, 79.5978
YIQ	135.0720, 20.1150, 70.5070

Conversions

Conversions Part 2

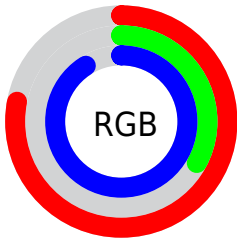
Format	Color
R _Y B	198, 84, 233
Decimal	12997865
CIE Lab	56.32, 66.59, -55.48
CIE LCh	56, 86.677, 320.200
Yxy	24.2296, 0.2839, 0.1671
Android (android.graphics.Color)	4291187945 (0xFFC654E9)
YUV	135.0720, 48.2785, 55.1879
Hunter-Lab	49.2236, 63.1431, -61.4194

Details

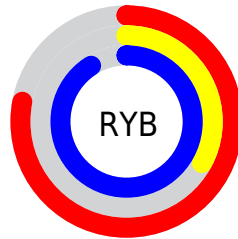
The RYB color **198, 84, 233** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **84, 233, 198**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 140, 255**, and **140, 18, 176** is the 20% darker color. If you saturate the color by 10%, you get **193, 61, 233**, and if you desaturate by 10%, it is **203, 107, 233**.

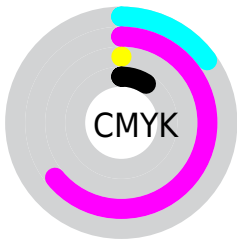
Distribution



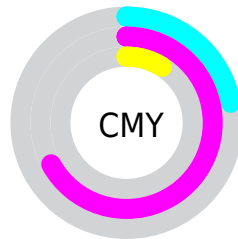
- Red (78%)
- Green (33%)
- Blue (91%)



- Red (78%)
- Yellow (33%)
- Blue (91%)



- Cyan (15%)
- Magenta (64%)
- Yellow (0%)
- Black (9%)


















- Cyan (22%)
- Magenta (67%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 84, 233 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 198, 84, 233 by changing the saturation by 10% instead.

 198, 84, 233	 198, 84, 233
255, 255, 255	 169, 55, 204
 255, 140, 255	 140, 18, 176
 255, 168, 255	 112, 0, 149
 255, 197, 255	 84, 0, 123
 255, 226, 255	 56, 0, 97
	 28, 0, 72
	 0, 0, 49
	 0, 1, 27
	 0, 0, 0

■ 198, 84, 233

■ 198, 84, 233

■ 193, 61, 233

■ 203, 107, 233

■ 187, 37, 233

■ 209, 131, 233

■ 182, 14, 233

■ 214, 154, 233

■ 178, 0, 233

■ 220, 177, 233

■ 225, 201, 233

■ 231, 224, 233

■ 233, 247, 244

■ 233, 255, 246

■ 233, 255, 241

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35, 99, 255



198, 84, 233



254, 23, 163

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



198, 84, 233



91, 184, 0



0, 88, 185

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



198, 84, 233



84, 233, 198

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 100, 165



198, 84, 233



0, 147, 31

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



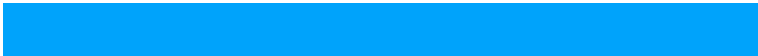
198, 84, 233



235, 133, 0



0, 146, 159



0, 99, 251

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



198, 84, 233



255, 3, 113



0, 146, 159



0, 85, 167

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



198, 84, 233



244, 207, 255



84, 114, 233



121, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



198, 84, 233



209, 59, 255



233, 84, 196



115, 106, 117



139, 0, 181



41, 0, 54

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



233, 84, 119



255, 59, 105



84, 203, 233



117, 106, 108



181, 0, 43



54, 0, 13

Previews

White Background



This preview shows how the RYB color 198, 84, 233 looks on a white background.

Color Contrast Check

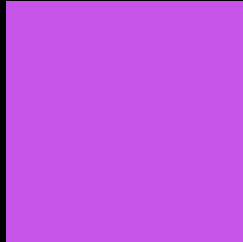
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 198, 84, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

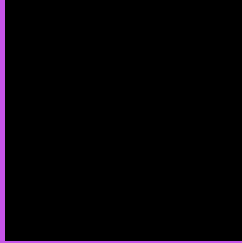
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 198, 84, 233 Background



This preview shows how black text looks on a background with the RYB color 198, 84, 233.



This preview shows how white text looks on a background with the RYB color 198, 84, 233.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
198, 84, 233

Protanopia
67, 115, 255

Deuteranopia
78, 120, 224



Tritanopia
183, 116, 125

Trichromacy



Original Color
198, 84, 233



Protanomaly
115, 114, 247



Deuteranomaly
122, 117, 227



Tritanomaly
188, 104, 164

Monochromacy



Original Color
198, 84, 233



Achromatopsia
135, 135, 135



Achromatomaly
158, 116, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 84, 233 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(198, 84, 233) looks like.

```
.text, #text, p{  
    color:rgb(198, 84, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 84, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 84, 233) }
```

Border

The CSS property to change the border of an element to RYB 198, 84, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 84, 233) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 84, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 84, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 84, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 84, 233);  
box-shadow:4px 4px 4px 4px rgb(198, 84,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 198, 84, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 84, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198, 84,  
233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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